



## PRELIMINARY DATA SHEET

### Witcom PC/3L3, based on Polycarbonate (PC)

15% PTFE / SI

Properties	Test method	Unit	PC/3L3
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#### ***Physical properties***

Specific gravity	ISO 1183	g/cm <sup>3</sup>	1,29
Water absorption at saturation, 23 °C	ISO 62	%	0,3
Humidity absorption, 23 °C/50 % RH	ISO 62	%	0,1
Mould shrinkage (flow direction, 3 mm)	ISO 2577	%	0,5 - 0,8

#### ***Mechanical properties***

Tensile strength (max.)	ISO 527	MPa	50
Elongation at break	ISO 527	%	>10
Flexural strength	ISO 178	MPa	65
Flexural modulus	ISO 178	GPa	2,0
IZOD impact strength, notched	ISO 180/1eA	kJ/m <sup>2</sup>	20,0
IZOD impact strength, unnotched	ISO 180/1eU	kJ/m <sup>2</sup>	65

#### ***Thermal properties***

Heat distortion temperature (1,81 MPa)	ISO 75	°C	130
Relative temperature index, 3 mm with impact	UL 746B	°C	130
Coefficient of linear thermal expansion	ISO 11359	K-1·10 <sup>-5</sup>	6,7

#### ***Flammability***

Burning behaviour	ISO 1210	-	V1 @ 3,0 mm
UL recognition	UL94	-	-

#### ***Electrical properties***

Surface resistivity	ASTM D257	Ω/sq	10 <sup>15</sup>
Volume resistivity	ASTM D257	Ω·cm	10 <sup>16</sup>
Comparative tracking index	IEC 60112	V	-
Glow wire rating, 1,6 mm	IEC 695-2-1	°C	850

Revision date: 14-07-2008

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